This listing of claims will replace all prior versions, and listings, of claims in the application:

1   Claim 1 (original): A method of providing a communications service in a system
2   including a calling party, a first receiving party having a first computer and a first
3   telephone device; and a second receiving party having a second computer and a
4   second telephone device, the method comprising:
5   detecting a hook flash;
6   in response to detecting a hook flash,
7   transmitting call related data, at least some of which
8   was previously provided to the first computer, to the second
9   computer; and
10   establishing a voice connection between the calling
11   party and the second telephone device.

1   Claim 2 (currently amended): The method of claim 1,
2   wherein said step of detecting a hook flash includes detecting activation of an
3   AIN hook flash mid call trigger at a telephone switch; and
4   wherein the call related data includes sales information.

1   Claim 3 (original): The method of claim 1, wherein the step of detecting a hook flash
2   includes:
3   operating a telephone switch coupling the calling party to the first
4   telephone device by a telephone line to monitor the telephone line for a hook flash.

1   Claim 4 (original): The method of claim 3, further comprising the step of setting a
2   hook flash mid-call trigger on said telephone line at the telephone switch prior to
3   performing the step of detecting a hook flash.

1   Claim 5 (original): The method of claim 3, wherein the step of transmitting call
2   related data to the second computer includes:

2

3   operating the telephone switch in response to activation of a mid-call

4   trigger to send a message to a service control point;

5   operating the service control point to send a message to a server; and

6   operating the server to transmit said call related data to the second

7   computer.

A'

1   Claim 6 (currently amended): ~~The method of claim 5,~~ A method of providing a

2   communications service in a system including a calling party, a first receiving party

3   having a first computer and a first telephone device; and a second receiving party

4   having a second computer and a second telephone device, the method comprising:

5   detecting a hook flash, the step of detecting a hook flash including

6   operating a telephone switch coupling the calling party to the first telephone device

7   by a telephone line to monitor the telephone line for a hook flash;

8   in response to detecting a hook flash,

9   a) transmitting call related data, at least some of which was

10   previously provided to the first computer, to the second

11   computer; and

12   b) establishing a voice connection between the calling party

13   and the second telephone device;

14   wherein the step of transmitting call related data to the second computer

15   includes:

16   i) operating the telephone switch in response to activation of a mid-call

17   trigger to send a message to a service control point;

18   ii) operating the service control point to send a message to a server;

19   and

20   iii) operating the server to transmit said call related data to the second

21   computer; and

3

22   wherein the telephone switch sends a telephone number received from the

23   first receiving party with the message sent to the service control point, the method

24   further comprising:

25   operating the service control point to determine the status of the

26   telephone line identified by the telephone number.

1   Claim 7 (original): The method of claim 6, wherein the step of operating the service

2   control point to determine the status of the telephone line includes:

3   operating the service control point to transmit a monitor for change

4   message to the telephone switch; and

5   receiving from the telephone switch a message indicating the status of

6   the telephone line identified by said telephone number.

1   Claim 8 (original): The method of claim 6, wherein the step of establishing a voice

2   connection between the calling party and the second telephone device includes:

3   operating the service control point to instruct the telephone switch to

4   establish a telephone call between the first receiving party and the party identified by

5   said telephone number;

6   operating the telephone switch to detect an additional hook flash; and

7   in response to detecting the additional hook flash, operating the

8   telephone switch to add the calling party to the telephone call established between the

9   first receiving party and the party identified by said telephone number.

1   Claim 9 (original): The method of claim 8, wherein the party identified by said

2   telephone number is the second receiving party.

1   Claim 10 (original): The method of claim 1, wherein the step of transmitting call

2   related data to the second computer includes:

4

3   operating a server to receive a telephone number from the first

4   receiving party;

5   operating the server to look-up an address of the second computer

6   from the received telephone number; and

7   generating a message to the second computer including said address

8   and said call related data.

A'

1   Claim 11 (original): The method of claim 10, further comprising the step of:

2   transmitting the generated message to the second computer using a

3   communications network which support Internet Protocol communications.

1   Claim 12 (original): The method of claim 10, further comprising, prior to operating

2   the server to receive said telephone number:

3   operating a telephone switch coupled to the first telephone device to

4   transmit said telephone number to a service control point; and

5   operating the service control point to transmit said telephone number

6   to the server.

1   Claim 13 (original): The method of claim 12, wherein the step of establishing a voice

2   connection between the calling party and the second telephone device includes:

3   operating the service control point to control the telephone switch to

4   initiate a telephone call to the second telephone device using said telephone number.

1   Claim 14 (original): The method of claim 13, wherein the step of establishing a voice

2   connection between the calling party and the second telephone device includes:

3   operating the telephone switch to initiate a telephone call to the second

4   telephone device using said telephone number.

1   Claim 15 (original): The method of claim 1, wherein the step of establishing a voice

2   connection between the calling party and the second telephone device includes:

3   determining the status of a telephone line coupled to the second

4   telephone device.

1   Claim 16 (original): The method of claim 15, wherein the step of determining the

2   status of the telephone line includes:

3   operating a serve to determine the status of said telephone line from

4   the second computer, the second computer being coupled to the second telephone

5   device.

1   Claim 17 (original): The method of claim 1, wherein the step of determining the

2   status of the telephone line includes:

3   operating a service control point to send a monitor for change message

4   to a telephone switch; and

5   operating the service control point to receive telephone line status

6   information in response to the monitor for change message.

1   Claim 18 (currently amended): A communications method, the communications

2   method comprising:

3   setting a hook flash mid-call trigger at a telephone switch on a telephone line;

4   receiving a first telephone number over said telephone line; and

5   _____   in response to the hook flash mid-call trigger being activated, sending

6   the first telephone number to a service control point;

7   operating the service control point to transmit transmitting a monitor

8   for change message including said first telephone number to a the telephone switch,

9   the monitor for change message including a first telephone number;

10   operating the telephone switch to determine the status of a telephone

11   line corresponding to the first telephone number; and

6

12   controlling the telephone switch to perform a call routing operation as

13   a function of the determined telephone line status.

1   Claim 19 (original): The method of claim 18, wherein the step of controlling the

2   telephone switch includes:

3   establishing a call using the first telephone number if it is determined

4   that the telephone line corresponding to the first telephone number is not busy.

1   Claim 20 (original): The method of claim 19, further comprising:

2   operating a server to transmit call related data to a computer identified

3   as being associated with the first telephone number.

1   Claim 21 (original): The method of claim 18, further comprising the step of:

2   operating the telephone switch to supply the determined line status to a

3   service control point; and

4   wherein the step of controlling the telephone switch to perform a call

5   routing operation includes:

6   operating the service control point to provide a second

7   telephone number to the telephone switch to be used in said call

8   routing operation if the determined line status indicates that said

9   telephone line is busy.

1   Claim 22 (original): The method of claim 21, wherein the step of controlling the

2   telephone switch to perform a call routing operation further includes:

3   operating the service control point to receive the second telephone

4   number from a server including automated call distribution functionality.

1   Claim 23 (original): The method of claim 22, further comprising:

7

2   operating said server to transmit call related data to a computer

3   identified as being associated with the second telephone number.

1   Claims 24-26 (canceled):

1   Claim 27 (currently amended): The method of claim 2̶6̶ 18, further comprising the

2   step of:

3   operating the service control point to transmit the first telephone

4   number to a server; and

5   operating the server to transmit call related data to a computer

6   associated with the first telephone number.

1   Claim 28 (currently amended): The method of claim 19 2̶6̶, further comprising the

2   step of:

3   operating the service control point to transmit the first telephone

4   number to a server; and

5   operating the server to transmit call related data to a computer

6   associated with the first telephone number.

1   Claim 29 (currently amended): A communications system, comprising:

2   a service control point including instructions to transmit a monitor for

3   change message to a telephone switch, the monitor for change message including a

4   first telephone number and including instructions to control initiation of a call as a

5   function of telephone line status information received in response to the monitor for

6   change message; and

7   a telephone switch including:

8   _____ i) an AIN hook flash mid-call trigger set on a telephone line;

9   _____ and

8

10   ii) means for transmitting a telephone number received by the

11   switch to the service control point in response to activation of the hook

12   flash mid-call trigger; and

13   iii) means for processing monitor for change messages, said

14   means operating to control the telephone switch to determine the status

15   of a telephone line corresponding to the first telephone number.

1   Claim 30 (canceled):

1   Claim 31 (original): The communication system of claim 29, wherein the instructions

2   to transmit a monitor for change message are stored in a call processing record.

1   Claim 32 (original): The communications system of claim 29, further comprising:

2   a server including automated call distribution functionality coupled to

3   said service control point.

1   Claim 33 (original): The communications system of claim 32, further comprising:

2   a first computer system coupled to the server by a network which

3   supports Internet Protocol communications; and

4   a first telephone device coupled to said telephone switch and said first

5   computer system, the computer system including a telephone application

6   programming interface for interfacing with said first telephone device.

1   Claim 34 (original): The communications system of claim 33, further comprising:

2   a second computer system coupled to the server by said network which

3   supports Internet Protocol communications; and

4   a second telephone device coupled to said telephone switch and said

5   first computer system, the computer system including a telephone application

6   programming interface for interfacing with said second telephone device.

9

1   Claim 35 (original): The communications system of claim 34, wherein the server

2   includes a database for each of a plurality of telephone service subscribers, the

3   database including for each telephone service subscriber, a telephone number

4   associated with a telephone device used by the service subscriber and a

5   communications address which can be used to communicate with a computer system

6   used by said service subscriber.

1   Claim 36 (original): The communications system of claim 35, wherein the service

2   control point further includes a call processing record for a plurality of the telephone

3   service subscribers for which information is stored in the server database.

1   Claim 37 (original): A communications system including:

2   a server including information on a plurality of telephone service

3   subscribers, the information for each of the plurality of telephone service subscribers

4   including a telephone number associated with the telephone service subscriber and a

5   communications address corresponding to a computer used by the telephone service

6   subscriber;

7   a service control point including a call processing record for each of at

8   least some of the plurality of telephone service subscribers for which information is

9   stored in the server, the service control point being coupled to the server by a first

10   communications network; and

11   a telephone switch coupled to the service control point and to at least

12   one telephone device associated with a telephone service subscriber, the telephone

13   switch having a hook flash mid-call trigger set on at least one telephone line

14   associated with a telephone service subscriber for which information is stored in said

15   server.

1   Claim 38 (original): The communications system of claim 37, wherein at least one of

2   the call processing records stored in said service control point includes instructions

10

3   for sending a monitor for change message to said telephone switch in response to

4   receiving a message from said telephone switch indicating that the hook flash mid-

5   call trigger was activated.

1   Claim 39 (original): A communications system, the communications system

2   including:

3   a telephone switch having a hook flash midcall trigger set on a

4   telephone line; and

5   a service control point coupled to the telephone switch, the service

6   control point including a call processing record, the call processing record including

7   instructions to send a monitor for change message to said telephone switch in

8   response to the service control point receiving a message from said telephone switch

9   that was generated in response to activation of said hook flash midcall trigger.

1   Claim 40 (original): The communication system of claim 39, further comprising:

2   a server including a routine for sending call related information to a

3   computer system associated with a telephone number; and

4   wherein the call processing record in said service control point further

5   includes instructions for controlling the service control point to transmit a telephone

6   number, included in said message from said telephone switch, to said server.